Azadeh Nilghaz

List of Publications by Year
in descending order

36 papers	1,782 citations	304743 22 h-index	395702 33 g-index
36 all docs	36 docs citations	36 times ranked	2288 citing authors

#	Article	IF	Citations
1	Black Phosphorus and its Biomedical Applications. Theranostics, 2018, 8, 1005-1026.	10.0	253
2	Flexible microfluidic cloth-based analytical devices using a low-cost waxpatterning technique. Lab on A Chip, 2012, 12, 209-218.	6.0	186
3	Rapid detection of clenbuterol in milk using microfluidic paper-based ELISA. Food Chemistry, 2018, 246, 437-441.	8.2	137
4	Advances of Paper-Based Microfluidics for Diagnosticsâ€"The Original Motivation and Current Status. ACS Sensors, 2016, 1, 1382-1393.	7.8	119
5	â€œPeriodic-Table-Styleâ€•Paper Device for Monitoring Heavy Metals in Water. Analytical Chemistry, 2015, 87, 2555-2559.	6.5	104
6	Development of paper-based microfluidic device for the determination of nitrite in meat. Food Chemistry, 2020, 316, 126396.	8.2	82
7	Stretchableâ€Fiberâ€Confined Wetting Conductive Liquids as Wearable Human Health Monitors. Advanced Functional Materials, 2016, 26, 4511-4517.	14.9	79
8	Semiquantitative analysis on microfluidic thread-based analytical devices by ruler. Sensors and Actuators B: Chemical, 2014, 191, 586-594.	7.8	75
9	Modification of thread-based microfluidic device with polysiloxanes for the development of a sensitive and selective immunoassay. Sensors and Actuators B: Chemical, 2018, 260, 1043-1051.	7.8	58
10	Understanding Thread Properties for Red Blood Cell Antigen Assays: Weak ABO Blood Typing. ACS Applied Materials & Interfaces, 2014, 6, 22209-22215.	8.0	55
11	Detection of antibiotic residues in pork using paper-based microfluidic device coupled with filtration and concentration. Analytica Chimica Acta, 2019, 1046, 163-169.	5.4	52
12	Low-cost blood plasma separation method using salt functionalized paper. RSC Advances, 2015, 5, 53172-53179.	3.6	51
13	Textiles in soft robots: Current progress and future trends. Biosensors and Bioelectronics, 2022, 196, 113690.	10.1	50
14	Multiple semi-quantitative colorimetric assays in compact embeddable microfluidic cloth-based analytical device (Î¼CAD) for effective point-of-care diagnostic. Microfluidics and Nanofluidics, 2015, 19, 317-333.	2.2	49
15	Coffee stains on paper. Chemical Engineering Science, 2015, 129, 34-41.	3.8	49
16	Surface-Enhanced Raman Spectroscopy Substrates for Food Safety and Quality Analysis. Journal of Agricultural and Food Chemistry, 2022, 70, 5463-5476.	5.2	44
17	Cellulose nanofibre textured SERS substrate. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 468, 309-314.	4.7	42
18	Paper-based microfluidics for food safety and quality analysis. Trends in Food Science and Technology, 2021, 118, 273-284.	15.1	42

#	Article	IF	Citations
19	Determination of norfloxacin residues in foods by exploiting the coffeeâ€ring effect and paperâ€based microfluidics device coupling with smartphoneâ€based detection. Journal of Food Science, 2020, 85, 736-743.	3.1	36
20	Active Packaging of Immobilized Zinc Oxide Nanoparticles Controls Campylobacter jejuni in Raw Chicken Meat. Applied and Environmental Microbiology, 2020, 86, .	3.1	28
21	Development of fabric-based microfluidic devices by wax printing. Cellulose, 2019, 26, 3589-3599.	4.9	26
22	Red blood cell transport mechanisms in polyester thread-based blood typing devices. Analytical and Bioanalytical Chemistry, 2016, 408, 1365-1371.	3.7	25
23	Noble-Metal Nanoparticle-Based Colorimetric Diagnostic Assays for Point-of-Need Applications. ACS Applied Nano Materials, 2021, 4, 12808-12824.	5.0	22
24	Unlocking the Potential of Organâ€onâ€Chip Models through Pumpless and Tubeless Microfluidics. Advanced Healthcare Materials, 2020, 9, e1901784.	7.6	20
25	Paper-based analytical device for high-throughput monitoring tetracycline residue in milk. Food Chemistry, 2021, 354, 129548.	8.2	18
26	Multi-sensorized pneumatic artificial muscle yarns. Chemical Engineering Journal, 2022, 446, 137241.	12.7	18
27	Multilayer cell culture system supported by thread. Sensors and Actuators B: Chemical, 2018, 257, 650-657.	7.8	17
28	Understanding the coffee-ring effect of red blood cells for engineering paper-based blood analysis devices. Chemical Engineering Journal, 2020, 391, 123522.	12.7	15
29	Surface Modification of Cellulose Paper for Quantum Dot-based Sensing Applications. BioResources, 2014, 10, .	1.0	10
30	Bilayer Graphene Nanoribbon Carrier Statistic in Degenerate and Non Degenerate Limit. Journal of Computational and Theoretical Nanoscience, 2011, 8, 2029-2032.	0.4	7
31	Batik-inspired wax patterning for cloth-based microfluidic device. , 2011, , .		4
32	Chapter 5. Colorimetric-based Sensing in Food Safety and Quality Analysis. Food Chemistry, Function and Analysis, 2017, , 121-140.	0.2	4
33	Simultaneous multiple assays on microfluidic cloth-based analytical devices. , 2011, , .		2
34	Currentâ€“Voltage Characteristics of Bilayer Graphene Nanoribbon Field Effect Transistor. Journal of Computational and Theoretical Nanoscience, 2013, 10, 738-741.	0.4	2
35	Bilayer Graphene Nanoribbon Mobility Model in Ballistic Transport Limit. Journal of Computational and Theoretical Nanoscience, 2013, 10, 1262-1265.	0.4	1
36	REMOVED: Bioactive Paper Design for Human Blood Analysis: Paper Property Suitable for Large-scale Sensor Production. Biochemical Engineering Journal, 2016, 105, 473.	3.6	0